CIP
EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION: 7/28/11
CONTACT DEPARTMENT(S):   WPD

SUBJECT:
Authorize award, negotiation, and execution of a 12-month requirements service contract with KISTERS NORTH AMERICA, INC., Citrus Heights, CA, to provide software maintenance and support for hydrological management software, training, license upgrades, and internet implementation services in an estimated amount not to exceed $240,675, with five 12-month extension options in estimated amounts not to exceed $47,907 for the first extension option, $51,579 for the second extension option, $55,768 for the third extension option, $60,552 for the fourth extension option, and $66,021 for the fifth extension option, for a total estimated contract amount of $522,502. Kisters North America, Inc. is the sole source provider for these products and services.

CURRENT YEAR IMPACT:

Department:	Watershed
Project Name:	Fews Evaluations
Fund/Department/Unit:	4850 6307 7101
Funding Source:	DUF Funds
Current Appropriation:	1,707,497.00
Unencumbered Balance:	121,188.46
Amount of This Action:	(36,827.00)
Remaining Balance:	84,361.46

ANALYSIS / ADDITIONAL INFORMATION: This contract is for the provision of maintenance, support, and other services for Kisters' Hydstra software, which has been used by the Watershed Protection Department since 1998. The Water Quality Monitoring group has been using Hydstra software for hydrological management and storage of data from the City's rain gauge and stream gauge network since 1998. The Flood Early Warning System group has been using several modules of Kisters' software including WISKI since 2008 for real-time ground gauge data management. This information is used to provide critical information regarding stream level and rainfall rates to the public to assist in warning of flooded conditions. In addition, the WISKI database serves as the central data repository of hydrological rain and stream level gauge data for the City of Austin. This information is vital to the calibration of floodplain studies to ensure their accuracy.

In addition, this contract has the following services and support:

Continued software maintenance and support for both HYDSTRA and WISKI databases that are used for the storage of data, quality control and quality assurance, maintenance of the current internet site, and data transfer of surface water sites, precipitation gauges, lake sites, and water quality sites.
Archival of gauge data that can be easily retrieved by the public and can also be used for floodplain modeling and mapping services.
Annual training of City staff at the City's option.
Enhancements to the public web interface at the city's option for real-time mapping display of information that is critical during a severe storm event such as road closures due to flooding, real-time rainfall, and local area warnings of flooding. This provides citizens with important information for situational awareness during a severe storm event. The website will also enable the public to input high water marks (measurement of debris lines after a flood.) A complete history of each flood will be maintained, and archiving will assist with documentation requests for financial assistance for disaster relief.   Future conversion of large amounts of historical ground gauge data from an older database platform to Kisters' new platform.